

Site No. 19050003-

UNDEVELOPED HYDROELECTRIC SITE

State ALASKA County _____ Site Lower Nellie Juan River
 Location NW 1/4 Section 27, T.4N., R.4E., Seward Meridian Stream NELLIE JUAN R TRIB Prince Wm Sound
 Planned by (date) _____
 Reference ^{2/} Correspondence from Reuben C. HACK, USA Corps of Engineers dated Date 6/7/60 & 12/7/60
 Quadrangle coverage SEWARD, ALASKA (Recon); SEWARD (B.S), ALASKA; ^{3/} PLAN, Dam & Reservoir Sites, Nellie Juan River (C.F.)
 Land: Public _____ Private _____ Use: P, I, FC, MI, R

u.s. ALT = 250 feet ^{3/}	
Dam: Height <u>90 feet</u> Length <u>500 feet</u>	Undeveloped capacity <u>6.785 mw (dam) - 22.619 mw (diversion) (T)</u>
Normal pool altitude <u>340 feet (limited by saddle & Glacier)</u>	Percent efficiency _____
Reservoir area <u>856 acres ^{3/}</u>	Annual generation _____
Storage capacity <u>35,550 acre feet ^{3/}</u>	Plant factor _____
Drainage area <u>124 square miles ^{2/}</u>	Mean flow <u>887 ft³/sec (642,000 ac-ft/yr)</u>
Gross head <u>340' - 40' = 300'; 0.9 mile diversion</u>	Period of record <u>12/60 - 11/64, gage 15237000, DA = 133 mi²</u>

Remarks: 1/ Original Calculations in STREAM File. (SEE STREAM Profile, Nellie Juan Lake)

2/ Power Site Classification 456, June 10, 1965.

Prepared by TR Date 11/79